












Date: Thursday, 16/10/2008 10:45:57 AM  
 User: Julie Dawson

## Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : PLUG
Job Number : 42637	
Estimate Number : 12322	
P.O. Number :	Part Number : D3492041
This Issue : 16/10/2008 S.O. No. :	Drawing Number : D3492 REV C
Prsht Rev. : NC	Project Number : N/A
First Issue : 11 Type : MACHINED PARTS	Drawing Revision : C
Previous Run : 42182	Material :
Written By :	Due Date : 31/10/2008 Qty: 100 Um: Each
Checked & Approved By : <u>JUD 08.10.16</u>	
Comment : est rev A 06.03.03 New Issue EC Est Rev:B 06-08-28 As per Rev B JLM Est Rev:C 07-12-06 Rev C dwg DD verified by:EC	
Additional Product	
Job Number: 	
Seq. #:	Machine Or Operation: Description :
1.0	M6061T6R0625 6061-T6 Round Bar .625"
	  (100)
Comment: Qty.: 0.0656 f(s)/Unit Total: 6.5625 f(s) 6061-T6 Round Bar .625" (M6061T6R0625) <u>1108548</u> Batch: <u>100000</u> <u>mmx 08/10/17</u>	
2.0	HARDINGE HARDINGE CNC LATHE SMALL
	  (100)
Comment: HARDINGE CNC LATHE SMALL  1-Turn as per Folio FA633 & Dwg D3492 Dwg Rev: <u>C</u> Folio Rev: <u>B</u> <u>mmx 08/10/17</u>	
3.0	QC2 INSPECT PARTS AS THEY COME OFF MACHINE
	  (100)
Comment: INSPECT PARTS AS THEY COME OFF MACHINE <u>mmx 08/10/17</u>	
4.0	QC8 SECOND CHECK
	  <u>counters</u> <u>08/10/20</u> <u>100</u>
Comment: SECOND CHECK	
5.0	SMALL FAB 1 SMALL & MEDIUM FAB RESOURCE 1
	 
Comment: SMALL & MEDIUM FAB RESOURCE 1  1-Deburr if necessary <u>08/10/20</u> <u>100</u>	

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Thursday, 16/10/2008 10:45:58 AM  
User: Julie Dawson

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PLUG

Job Number: 42637

Part Number: D3492041

Job Number:



Seq. #:

Machine Or Operation:

Description :

2-Tumble

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



(100)

Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

FX 08/10/21

7.0

POWDER COATING

POWDER COATING



M109152

Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

(Flat End Only)

START TIME: 10:15 AM

OVEN TEMPERATURE: 320°F

FINISH TIME: 10:45 AM

HL 08.10.23

(X100)

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



(100)

Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

FX 08/11/03

9.0

NAS1611010

O-RING



Comment: Qty.: 1.0000 Each(s)/Unit Total: 100.0000 Each(s)

Qty Part Number Description Batch

1 NAS1611-010 O-RING

(or MS28775-010)

M101029

HL

08-11-03

(100)

10.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: Hand Finishing

1- Assemble O'Ring as per Dwg D3492 Applying some O'Ring Lube

A/R 55-O'Ring Lube Batch: M101223

HL

11.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

08.11.03 100

QSP 019

12.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: FP-13

HL

08-11-03

(X100)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Thursday, 16/10/2008 10:45:58 AM  
User: Julie Dawson

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PLUG

Job Number: 42637

Part Number: D3492041

Job Number:



Seq. #:

Machine Or Operation:

Description :

13.0

QC21

FINAL INSPECTION/W/O RELEASE



08/11/04 *[Signature]*

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



MF 08-11-03

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

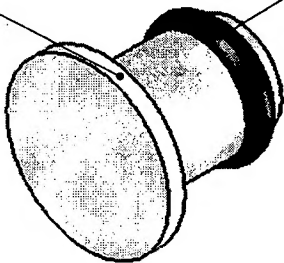
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



D3492-XX PLUG  
(SEE TABLE)

NAS1611 PLUG  
(SEE TABLE)



**D3492-XXX PLUG PARTS LIST**

QTY -041	QTY -043	QTY -045	QTY -047	QTY -049	QTY -051	QTY -053	PART NUMBER	DESCRIPTION
X							D3492-041	PLUG ASSEMBLY
	X						D3492-043	PLUG ASSEMBLY
		X					D3492-045	PLUG ASSEMBLY
			X				D3492-047	PLUG ASSEMBLY
				X			D3492-049	PLUG ASSEMBLY
					X		D3492-051	PLUG ASSEMBLY
						X	D3492-053	PLUG ASSEMBLY
1							D3492-1	PLUG
	1						D3492-3	PLUG
		1					D3492-5	PLUG
			1				D3492-7	PLUG
				1			D3492-9	PLUG
					1		D3492-11	PLUG
						1	D3492-13	PLUG
		1					NAS1611-005	O-RING
			1				NAS1611-007	O-RING
1							NAS1611-010	O-RING
						1	NAS1611-012	O-RING
	1						NAS1611-013	O-RING
					1		NAS1611-015	O-RING
				1			NAS1611-016	O-RING

△ △ △

NOTES:  
1) O-RING: POSSIBLE SUPPLIER P/N: NAS1611-XXX OR PARKER 2-XXX

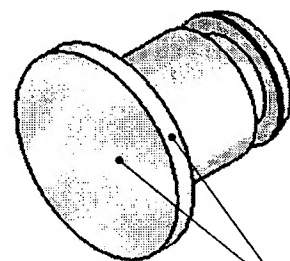
SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 42637

UNDER REVIEW  
01.04.21 RBA  
DIM ØB ON D3492-13  
REST OK (MAKE SMALLER)

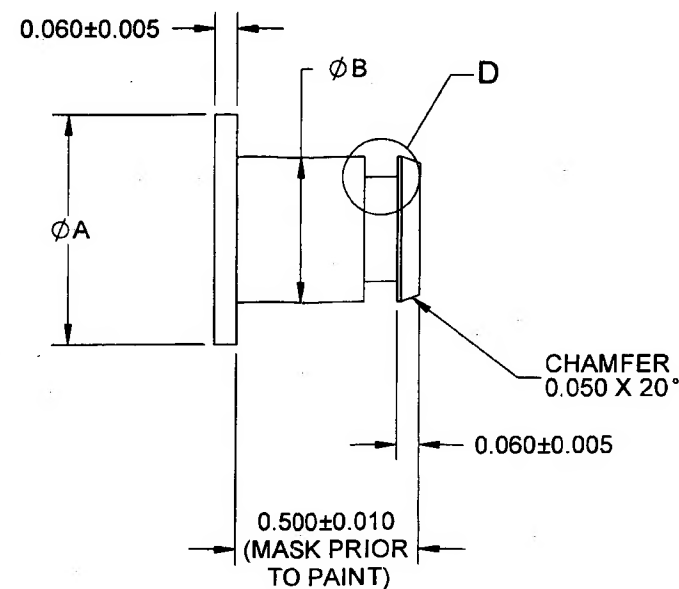
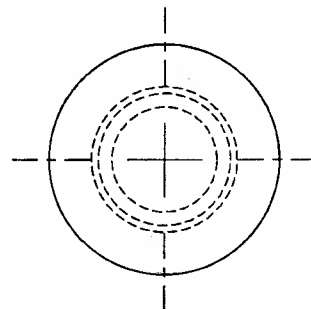
RELEASED  
07.10.05

C	ADD -049/-051/-053, CHANGE DRAWING FORMAT	PH	07.10.05
B	ADD -047; UPDATE DIM A FOR -045	PH	06.05.11
A	NEW ISSUE	PH	06.01.04
REV.	DESCRIPTION	BY	DATE
DESIGN		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3492	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		PLUG	2:1
DATE	07.10.05	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

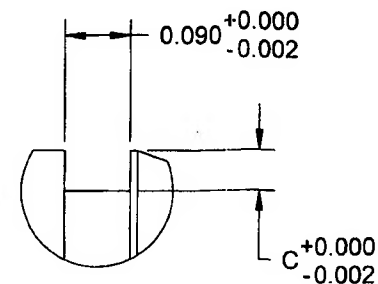




POWDER COAT THESE  
FACES ONLY PER NOTE 2



**D3492-XX PLUG**



**DETAIL D**

**D3492-XX PLUG MACHINING DETAILS**

P/N	A	B	C	MATERIAL SPEC
D3492-1	0.625	0.394	0.055	M6061T6R0.625
D3492-3	0.750	0.582	0.045	M6061T6R0.750
D3492-5	0.375	0.188	0.045	M6061T6R0.375
D3492-7	0.500	0.270	0.045	M6061T6R0.500
D3492-9	0.938	0.750	0.045	M6061T6R1.000
D3492-11	0.850	0.664	0.045	M6061T6R0.875
D3492-13	0.750	0.520	0.045	M6061T6R0.750

**NOTES:**

- 1) MATERIAL: ALUMINUM 5052-H32 OR 6061-T6 OR 1100-0 PER QQ-A-225/7 (5052) OR QQ-A-225/8 (6061) OR QQ-A-200/8 (6061) OR QQ-A-225/1 (1100) (REF. DART MATERIAL SPEC M6061T6R0.000)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT WHITE GLOSS (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

SHOP COPY  
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UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 42637

**UNDER REVIEW**  
01.04.21 RB  
DIM ØB ON D3492-13  
REST OK (MAKE SMALLER)

**RELEASED**  
07.11.16

DESIGN	RA	<b>DART AEROSPACE LTD</b>	
DRAWN	RA	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RA	DRAWING NO.	REV. C
MFG. APPR.	RA	<b>D3492</b>	SHEET 2 OF 2
APPROVED	RA	TITLE	SCALE
DE APPR.	RA	<b>PLUG</b>	4:1
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